

**PROPOSAL FOR THE ANALYSIS OF
PRESENT AND ANTICIPATED PHOTOGRAMMETRIC SYSTEMS**

STATINTL

1. [REDACTED] proposes to conduct studies that consist of photogrammetric analysis of present and anticipated photogrammetric systems. The specific tasks are listed below. Each of these tasks shall include:

- a. Mathematical derivation of photogrammetric equations.
- b. Proofs and evaluations of the propagated error inherent in the derivations.
- c. Completing a logical flow chart specifically for existing and anticipated digital computing equipment.
- d. Graphical or semi-graphic reduction of analysis if consistent with the accuracy of input data.

2. For the purpose of this contract present and anticipated future systems will be identified by numbers from 1 to 7.

3. Task 1, 2, 3, 4, and 5 will require the following photogrammetric analysis:

- a. Space orientation of sensor system.
- b. Transformations equations.
- c. Space Resection.
- d. Stereoscopic exploitation analysis.
- e. Limited control extension.
- f. Image motion analysis.

4. Task 6 may require all or part of the photogrammetric analysis listed in 3 above.

5. Task 7 will require exploitation analysis when all requirements are clarified.

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6. Additionally compatible rapport with other analysts and programmers within the Client's Facility is highly desirable, and it will be a continuing effort on the part of [REDACTED] to facilitate efficient production programs utilizing equipment on the premises and proposed future equipment. In order to achieve the desired degree of compatibility it is proposed that the [REDACTED] officer assigned to this project will become thoroughly familiar and versatile with the electronic computer and equipment on the Client's Facility.

7. It is further proposed to contribute, as a consequence of the studies, recommendations to assure completion of each system, either in the form of equipment modification or design, or in the form of mathematical procedures which will lead to a greater utilization of data both in the way it is initially handled and in the data reduction and utilization phases.

8. Priorities for each task are to be established by the Client's Facility. It is [REDACTED] understanding that the entire contract is to be completed within one year from date of contract.

Enclosure:

Biographic data on assigned officer

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